

**Table C-4. Federal funds for total research and development, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

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Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Total, all agencies	68,754.9	69,076.9	68,063.7	66,374.6	66,876.9	67,691.5
Departments:						
Department of Agriculture, total	1,379.8	1,352.3	1,368.6	1,375.3	1,362.9	1,353.5
Agricultural Marketing Service	4.8	4.9	4.9	5.0	4.9	4.9
Agricultural Research Service ¹	683.3	680.9	696.6	679.3	680.3	693.8
Animal & Plant Health Inspection Service	19.1	19.7	20.6	19.1	19.7	20.6
Cooperative State Research, Education, & Extension Service ²	417.7	406.2	402.2	418.8	417.5	390.2
Economic Research Service	53.8	53.1	54.9	52.0	53.2	54.7
Foreign Agricultural Service ³ .....	.5	1.4	1.4	.5	1.4	1.4
Forest Service	193.5	178.0	179.8	193.5	178.0	179.8
Grain Inspection Packers & Stockyards Admin ⁴	1.5	2.8	2.8	1.5	2.8	2.8
National Agricultural Statistics Service	4.0	3.9	3.9	4.2	3.8	3.9
Rural Business-Cooperative Service ⁵	1.6	1.4	1.4	1.6	1.4	1.4
Department of Commerce, total	1,136.0	1,172.6	1,095.8	863.0	926.0	991.7
Bureau of the Census	4.9	7.1	7.1	5.1	7.4	7.4
Economic Development Administration .....	.5	.5	1.5	1.0	.5	1.5
National Institute of Standards & Technology	563.3	631.7	541.7	327.4	384.8	437.3
National Oceanic & Atmospheric Administration	560.9	528.8	540.8	523.1	528.8	540.8
Nat'l Telecommunications & Information Admin	6.4	4.5	4.7	6.4	4.5	4.7
Office of the Secretary	-	-	.0	-	.0	.0
Department of Defense, total	34,362.0	34,284.3	32,964.4	33,629.5	33,405.7	32,819.2
Department of the Army, total	5,419.3	4,833.3	4,373.3	5,133.0	5,107.1	4,576.6
Department of the Army, Civil Functions ⁶	56.3	29.4	36.2	56.3	29.4	36.2
Department of the Army, Military Functions	5,363.0	4,804.0	4,337.1	5,076.8	5,077.8	4,540.4
Department of the Navy	8,963.3	8,804.0	7,581.6	9,416.6	8,552.6	7,942.9
Department of the Air Force	11,797.9	12,096.2	13,359.8	12,024.9	11,780.8	12,962.4
Defense Agencies, total	7,928.9	8,299.9	7,376.6	6,808.2	7,687.3	7,063.5
Ballistic Missile Defense Organization	2,395.0	2,910.8	2,567.1	2,415.5	2,965.1	2,626.8
Defense Advanced Research Projects Agency ⁷	2,503.8	2,255.0	2,185.7	2,391.4	2,324.2	2,235.9
Defense Information Systems Agency	79.0	56.3	66.6	72.0	60.0	54.2
Defense Logistics Agency	33.6	34.9	38.6	27.4	41.0	43.8
Defense Mapping Agency	78.3	58.9	95.2	36.2	65.4	88.2
Defense Nuclear Agency	243.9	194.8	224.4	316.2	264.4	242.6
Joint Staff	4.2	12.5	38.8	4.2	12.5	38.8
Special Operations Command	264.6	156.9	125.6	219.9	278.5	144.6
Washington Headquarters Services ⁸	2,326.7	2,619.8	2,034.6	1,325.5	1,676.2	1,588.7
Operational Test & Evaluation, Director	21.7	23.0	22.0	12.4	30.8	21.8
Test & Evaluation, Deputy Under Secretary of Defense	231.0	227.8	251.0	234.3	247.1	252.0
Department of Education	177.6	181.7	188.1	179.6	174.6	169.5
Department of Energy	6,145.0	5,675.7	5,895.2	6,152.2	5,858.0	5,963.6
Department of Health & Human Services, total	11,455.2	11,914.2	12,184.9	10,978.2	11,006.4	11,882.3
Administration on Aging	20.7	3.7	3.2	20.7	2.9	2.9
Administration for Children & Families	12.0	9.0	19.0	12.0	9.0	19.0
Agency for Health Care Policy & Research	135.3	65.2	84.0	133.0	124.0	85.0
Centers for Disease Control & Prevention	317.4	323.2	361.2	317.4	323.4	361.2
Food & Drug Administration	170.5	170.5	170.5	131.3	131.3	131.3
Health Care Financing Administration	74.5	54.5	55.3	72.9	70.1	59.0
Health Resources & Services Administration	13.2	13.0	11.7	12.8	12.7	11.7
National Institutes of Health ⁹	10,681.8	11,265.6	11,470.5	10,262.8	10,325.7	11,205.8
Office of the Assistant Secretary for Health .....	.3	.5	.6	.6	.5	.5
Office of the Secretary	9.1	9.0	9.0	3.5	7.0	6.0
Social Security Administration ¹⁰	20.4	.0	.0	11.3	.0	.0

See explanatory information, if any, and SOURCE at end of table.

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fiscal years 1995, 1996, and 1997**

[Dollars in millions]

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Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Department of Housing & Urban Development	41.8	35.0	45.5	38.0	34.8	39.1
Department of the Interior, total	561.6	565.1	573.5	552.3	567.6	584.4
Bureau of Reclamation	8.0	6.0	7.6	8.0	6.0	7.6
Geological Survey ¹¹	362.0	518.5	524.4	354.1	521.0	535.4
Minerals Management Service	20.0	20.8	20.6	19.8	20.7	20.6
National Biological Service ^{12 11}	151.8	.0	.0	150.7	.0	.0
National Park Service ¹²	19.7	19.8	20.8	19.7	19.8	20.8
Office of the Secretary	-	-	.0	-	-	.0
Department of Justice, total	57.9	80.9	93.7	49.0	76.9	93.8
Bureau of Prisons	5.7	4.7	4.7	5.7	4.7	4.7
Drug Enforcement Administration .....	.4	1.2	.5	.4	1.2	.5
Federal Bureau of Investigation	10.9	36.8	34.8	10.9	36.8	34.8
Immigration & Naturalization Service .....	.4	.4	.4	.4	.4	.4
Office of Justice Programs	40.5	37.8	53.2	31.5	33.8	53.3
Department of Labor, total	53.7	46.5	42.9	51.7	48.1	45.7
Bureau of Labor Statistics	13.1	13.3	12.6	13.1	13.3	12.6
Employment & Training Administration	25.6	20.8	17.3	23.1	23.4	21.1
Occupational Safety & Health Administration	4.4	3.2	3.5	4.3	3.1	3.6
Office of the Secretary	6.3	6.4	6.5	6.2	5.4	5.4
Pension Benefit Guaranty Corporation .....	.8	.6	.7	1.4	.6	.7
Pension & Welfare Benefits Administration	3.6	2.3	2.3	3.6	2.3	2.3
Department of State	5.0	4.3	4.3	5.0	4.3	4.3
Department of Transportation, total	727.0	641.4	705.7	634.7	531.4	840.4
Coast Guard	19.7	20.0	19.8	20.6	23.6	24.0
Federal Aviation Administration	288.4	217.6	223.7	256.8	261.6	242.9
Federal Highway Administration	312.5	304.8	362.1	249.6	133.2	455.6
Federal Railroad Administration	26.5	30.3	24.1	21.5	34.2	28.2
Federal Transit Administration	28.7	16.0	14.6	33.4	27.7	22.1
Maritime Administration	2.5	.0	2.0	2.3	.3	1.8
National Highway Traffic Safety Admin	39.7	38.2	45.7	41.4	39.2	51.8
Office of the Secretary	3.9	2.9	2.8	4.0	2.8	2.8
Research & Special Programs Administration	5.0	11.5	10.9	4.9	8.8	11.2
Department of the Treasury, total	61.4	63.6	64.4	61.4	63.6	64.0
Bureau of Engraving & Printing	1.8	2.2	2.0	1.8	2.2	2.0
Internal Revenue Service	49.7	50.6	54.3	49.7	50.6	54.3
Office of Thrift Supervision .....	.6	.5	.6	.6	.5	.6
United States Customs Service	8.5	9.5	6.4	8.5	9.5	6.4
United States Mint .....	.3	.2	.4	.3	.2	.1
United States Secret Service ¹³5	.6	.6	.5	.6	.6
Department of Veterans Affairs	237.9	276.2	258.0	251.1	255.5	256.9

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**Table C-4. Federal funds for total research and development, by agency:
fiscal years 1995, 1996, and 1997**

[Dollars in millions]

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Agency and subdivision	Obligations			Outlays		
	1995	Preliminary		1995	Preliminary	
		1996	1997		1996	1997
Other agencies:						
Advisory Comm on Intergovernmental Relations	1.4	1.4	.0	1.4	1.4	.0
Appalachian Regional Commission .....	.9	.9	.9	.9	.9	.9
Consumer Product Safety Commission .....	.4	-	.0	.4	.1	-
Environmental Protection Agency	551.5	457.1	581.0	492.5	419.3	520.8
Federal Communications Commission	2.3	2.8	2.7	2.3	2.8	2.7
Federal Trade Commission .....	.6	1.0	1.0	.6	1.0	1.0
International Development Cooperation						
Agency, total	302.5	246.5	186.8	256.8	277.7	244.4
Agency for International Development	302.5	246.5	186.8	256.8	277.7	244.4
Library of Congress	10.2	8.3	9.1	7.7	11.0	8.3
National Aeronautics & Space Administration	9,014.9	9,613.7	9,204.2	8,600.7	9,484.1	9,350.4
National Archives & Records Administration .....	.1	.1	.1	.1	.1	.1
National Science Foundation	2,149.3	2,141.7	2,278.9	1,876.0	2,051.0	2,146.0
Nuclear Regulatory Commission	88.2	59.2	59.0	88.8	66.4	59.1
Smithsonian Institution	124.0	125.4	136.8	119.0	120.0	131.0
Social Security Administration ¹⁰ .....	.0	8.3	27.7	.0	8.3	27.7
Tennessee Valley Authority	93.1	103.4	77.0	93.1	103.4	77.0
United States Arms Control & Disarmament Agency	1.1	.5	1.0	1.1	.5	1.0
United States Information Agency .....	.3	.2	.1	.3	.2	.1
United States International Trade Commission	12.2	12.7	12.5	12.2	12.7	12.5

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 5 This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- 6 The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- 7 This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- 8 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- 9 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 10 As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- 11 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 12 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 13 The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-5. Federal obligations for total research and development, by agency
and character of work: fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	68,754,875	13,895,493	14,677,941	40,181,441	NA	NA
Departments:						
Department of Agriculture, total	1,379,753	594,903	704,649	80,201	NA	NA
Agricultural Marketing Service	4,797	0	4,180	617	NA	NA
Agricultural Research Service ¹	683,270	368,966	259,642	54,662	NA	NA
Animal & Plant Health Inspection Service	19,117	0	0	19,117	NA	NA
Cooperative State Research, Education, & Extension Service ²	417,712	185,992	231,720	0	NA	NA
Economic Research Service	53,827	5,383	48,444	0	NA	NA
Foreign Agricultural Service ³	457	343	114	0	NA	NA
Forest Service	193,509	32,897	154,807	5,805	NA	NA
Grain Inspection Packers & Stockyards Admin ⁴	1,484	0	1,484	0	NA	NA
National Agricultural Statistics Service	4,019	1,322	2,697	0	NA	NA
Rural Business-Cooperative Service ⁵	1,561	0	1,561	0	NA	NA
Department of Commerce, total	1,136,003	39,258	853,060	243,685	NA	NA
Bureau of the Census	4,856	312	2,618	1,926	NA	NA
Economic Development Administration	521	0	521	0	NA	NA
National Institute of Standards & Technology	563,281	38,946	333,145	191,190	NA	NA
National Oceanic & Atmospheric Administration	560,931	0	510,362	50,569	NA	NA
Nat'l Telecommunications & Information Admin	6,383	0	6,383	0	NA	NA
Office of the Secretary	31	0	31	0	NA	NA
Department of Defense, total	34,362,034	1,264,113	3,069,821	30,028,100	NA	NA
Department of the Army, total	5,419,258	218,790	633,273	4,567,195	NA	NA
Department of the Army, Civil Functions ⁶	56,257	4,823	28,931	22,503	NA	NA
Department of the Army, Military Functions	5,363,001	213,967	604,342	4,544,692	618,225	3,926,467
Department of the Navy	8,963,258	409,419	470,533	8,083,306	413,927	7,669,379
Department of the Air Force	11,797,908	206,776	627,683	10,963,449	565,686	10,397,763
Defense Agencies, total	7,928,920	429,128	1,338,332	6,161,460	2,957,853	3,203,607
Ballistic Missile Defense Organization	2,394,952	10,742	93,811	2,290,399	426,398	1,864,001
Defense Advanced Research Projects Agency ⁷	2,503,793	94,587	826,817	1,582,389	1,547,656	34,733
Defense Information Systems Agency	78,990	0	1,717	77,273	0	77,273
Defense Logistics Agency	33,550	0	7,062	26,488	19,097	7,391
Defense Mapping Agency	78,299	0	0	78,299	0	78,299
Defense Nuclear Agency	243,907	0	209,033	34,874	34,874	0
Joint Staff	4,154	0	0	4,154	4,154	0
Special Operations Command	264,612	0	39,913	224,699	93,197	131,502
Washington Headquarters Services ⁸	2,326,663	323,799	159,979	1,842,885	832,477	1,010,408
Operational Test & Evaluation, Director	21,707	0	0	21,707	0	21,707
Test & Evaluation, Deputy Under Secretary of Defense	230,983	0	0	230,983	0	230,983
Department of Education	177,620	5,535	132,817	39,268	NA	NA
Department of Energy	6,144,975	1,634,353	1,825,581	2,685,041	NA	NA
Department of Health & Human Services, total	11,455,247	6,061,057	4,014,893	1,379,297	NA	NA
Administration on Aging	20,679	0	3,000	17,679	NA	NA
Administration for Children & Families	12,000	0	11,200	800	NA	NA
Agency for Health Care Policy & Research	135,287	0	124,000	11,287	NA	NA
Centers for Disease Control & Prevention	317,385	0	317,385	0	NA	NA
Food & Drug Administration	170,462	0	170,462	0	NA	NA
Health Care Financing Administration	74,537	0	74,537	0	NA	NA
Health Resources & Services Administration	13,177	1,010	11,201	966	NA	NA
National Institutes of Health ⁹	10,681,844	6,060,047	3,273,555	1,348,242	NA	NA
Office of the Assistant Secretary for Health	323	0	0	323	NA	NA
Office of the Secretary	9,121	0	9,121	0	NA	NA
Social Security Administration ¹⁰	20,432	0	20,432	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

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Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	41,831	0	14,180	27,651	NA	NA
Department of the Interior, total	561,613	55,179	477,257	29,177	NA	NA
Bureau of Reclamation	7,990	0	5,997	1,993	NA	NA
Geological Survey ¹¹	362,037	41,649	306,248	14,140	NA	NA
Minerals Management Service	20,010	0	20,010	0	NA	NA
National Biological Service ^{12 11}	151,810	13,000	125,810	13,000	NA	NA
National Park Service ¹²	19,722	530	19,192	0	NA	NA
Office of the Secretary	44	0	0	44	NA	NA
Department of Justice, total	57,938	8,121	17,707	32,110	NA	NA
Bureau of Prisons	5,724	0	3,249	2,475	NA	NA
Drug Enforcement Administration	400	0	0	400	NA	NA
Federal Bureau of Investigation	10,937	0	0	10,937	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	40,477	8,121	14,058	18,298	NA	NA
Department of Labor, total	53,748	11,600	16,648	25,500	NA	NA
Bureau of Labor Statistics	13,100	11,600	1,500	0	NA	NA
Employment & Training Administration	25,594	0	4,206	21,388	NA	NA
Occupational Safety & Health Administration	4,370	0	4,370	0	NA	NA
Office of the Secretary	6,287	0	2,872	3,415	NA	NA
Pension Benefit Guaranty Corporation	799	0	102	697	NA	NA
Pension & Welfare Benefits Administration	3,598	0	3,598	0	NA	NA
Department of State	5,010	4,510	500	0	NA	NA
Department of Transportation, total	726,986	46,880	323,866	356,240	NA	NA
Coast Guard	19,719	0	4,930	14,789	NA	NA
Federal Aviation Administration	288,366	0	83,291	205,075	NA	NA
Federal Highway Administration	312,535	46,880	156,268	109,387	NA	NA
Federal Railroad Administration	26,545	0	22,545	4,000	NA	NA
Federal Transit Administration	28,724	0	10,866	17,858	NA	NA
Maritime Administration	2,450	0	2,450	0	NA	NA
National Highway Traffic Safety Admin	39,707	0	39,707	0	NA	NA
Office of the Secretary	3,901	0	590	3,311	NA	NA
Research & Special Programs Administration	5,039	0	3,219	1,820	NA	NA
Department of the Treasury, total	61,362	41	48,887	12,434	NA	NA
Bureau of Engraving & Printing	1,800	41	1,283	476	NA	NA
Internal Revenue Service	49,698	0	45,797	3,901	NA	NA
Office of Thrift Supervision	550	0	550	0	NA	NA
United States Customs Service	8,455	0	710	7,745	NA	NA
United States Mint	312	0	0	312	NA	NA
United States Secret Service ¹³	547	0	547	0	NA	NA
Department of Veterans Affairs	237,860	12,390	206,416	19,054	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

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Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies:						
Advisory Comm on Intergovernmental Relations	1,413	0	1,413	0	NA	NA
Appalachian Regional Commission	900	0	900	0	NA	NA
Consumer Product Safety Commission	370	0	0	370	NA	NA
Environmental Protection Agency	551,521	70,297	331,330	149,894	NA	NA
Federal Communications Commission	2,268	0	2,268	0	NA	NA
Federal Trade Commission	564	0	564	0	NA	NA
International Development Cooperation						
Agency, total	302,498	2,297	270,382	29,819	NA	NA
Agency for International Development	302,498	2,297	270,382	29,819	NA	NA
Library of Congress	10,151	512	1,594	8,045	NA	NA
National Aeronautics & Space Administration	9,014,944	1,978,193	2,067,896	4,968,855	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,149,277	1,973,264	176,013	0	NA	NA
Nuclear Regulatory Commission	88,212	0	88,212	0	NA	NA
Smithsonian Institution	124,000	124,000	0	0	NA	NA
Tennessee Valley Authority	93,070	8,990	17,380	66,700	NA	NA
United States Arms Control & Disarmament Agency	1,146	0	1,146	0	NA	NA
United States Information Agency	289	0	289	0	NA	NA
United States International Trade Commission	12,152	0	12,152	0	NA	NA

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- 4 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 5 This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- 6 The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- 7 This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- 8 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- 9 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
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- 11 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 12 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 13 The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	69,076,929	14,482,056	14,095,711	40,499,162	NA	NA
Departments:						
Department of Agriculture, total	1,352,258	586,329	685,762	80,167	NA	NA
Agricultural Marketing Service	4,864	0	4,237	627	NA	NA
Agricultural Research Service ¹	680,863	367,666	258,728	54,469	NA	NA
Animal & Plant Health Inspection Service	19,731	0	0	19,731	NA	NA
Cooperative State Research, Education, & Extension Service ²	406,163	180,744	225,419	0	NA	NA
Economic Research Service	53,131	5,313	47,818	0	NA	NA
Foreign Agricultural Service ³	1,422	1,067	355	0	NA	NA
Forest Service	178,000	30,260	142,400	5,340	NA	NA
Grain Inspection Packers & Stockyards Admin ⁴	2,797	0	2,797	0	NA	NA
National Agricultural Statistics Service	3,887	1,279	2,608	0	NA	NA
Rural Business-Cooperative Service ⁵	1,400	0	1,400	0	NA	NA
Department of Commerce, total	1,172,635	37,529	860,512	274,594	NA	NA
Bureau of the Census	7,074	307	2,564	4,203	NA	NA
Economic Development Administration	500	0	500	0	NA	NA
National Institute of Standards & Technology	631,706	37,222	371,790	222,694	NA	NA
National Oceanic & Atmospheric Administration	528,848	0	481,151	47,697	NA	NA
Nat'l Telecommunications & Information Admin	4,479	0	4,479	0	NA	NA
Office of the Secretary	28	0	28	0	NA	NA
Department of Defense, total	34,284,285	1,134,158	2,814,272	30,335,855	NA	NA
Department of the Army, total	4,833,344	190,418	458,641	4,184,285	NA	NA
Department of the Army, Civil Functions ⁶	29,361	2,156	15,461	11,744	NA	NA
Department of the Army, Military Functions	4,803,983	188,262	443,180	4,172,541	751,853	3,420,688
Department of the Navy	8,804,034	373,175	568,346	7,862,513	484,012	7,378,501
Department of the Air Force	12,096,219	233,793	648,131	11,214,295	501,102	10,713,193
Defense Agencies, total	8,299,864	336,772	1,139,154	6,823,938	3,080,014	3,743,924
Ballistic Missile Defense Organization	2,910,781	7,902	74,594	2,828,285	684,733	2,143,552
Defense Advanced Research Projects Agency ⁷	2,254,956	65,971	711,626	1,477,359	1,408,189	69,170
Defense Information Systems Agency	56,276	0	1,455	54,821	0	54,821
Defense Logistics Agency	34,910	0	7,981	26,929	18,198	8,731
Defense Mapping Agency	58,888	0	0	58,888	0	58,888
Defense Nuclear Agency	194,823	0	168,417	26,406	26,406	0
Joint Staff	12,532	0	0	12,532	12,532	0
Special Operations Command	156,910	0	21,787	135,123	56,752	78,371
Washington Headquarters Services ⁸	2,619,788	262,899	153,294	2,203,595	873,204	1,330,391
Operational Test & Evaluation, Director	22,981	0	0	22,981	0	22,981
Test & Evaluation, Deputy Under Secretary of Defense	227,843	0	0	227,843	0	227,843
Department of Education	181,731	3,459	138,164	40,108	NA	NA
Department of Energy	5,675,744	1,956,610	1,342,767	2,376,367	NA	NA
Department of Health & Human Services, total	11,914,176	6,441,509	4,083,076	1,389,591	NA	NA
Administration on Aging	3,704	171	0	3,533	NA	NA
Administration for Children & Families	9,000	0	8,300	700	NA	NA
Agency for Health Care Policy & Research	65,186	0	59,000	6,186	NA	NA
Centers for Disease Control & Prevention	323,181	0	323,181	0	NA	NA
Food & Drug Administration	170,462	0	170,462	0	NA	NA
Health Care Financing Administration	54,500	0	54,500	0	NA	NA
Health Resources & Services Administration	13,013	800	10,963	1,250	NA	NA
National Institutes of Health ⁹	11,265,606	6,440,538	3,447,670	1,377,398	NA	NA
Office of the Assistant Secretary for Health	524	0	0	524	NA	NA
Office of the Secretary	9,000	0	9,000	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	34,955	0	12,162	22,793	NA	NA
Department of the Interior, total	565,105	55,863	483,740	25,502	NA	NA
Bureau of Reclamation	6,031	0	4,523	1,508	NA	NA
Geological Survey ¹⁰	518,504	55,460	439,069	23,975	NA	NA
Minerals Management Service	20,774	0	20,774	0	NA	NA
National Park Service ¹¹	19,777	403	19,374	0	NA	NA
Office of the Secretary	19	0	0	19	NA	NA
Department of Justice, total	80,883	8,300	18,919	53,664	NA	NA
Bureau of Prisons	4,700	0	1,900	2,800	NA	NA
Drug Enforcement Administration	1,200	0	45	1,155	NA	NA
Federal Bureau of Investigation	36,784	0	0	36,784	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	37,799	8,300	16,574	12,925	NA	NA
Department of Labor, total	46,545	11,500	13,187	21,858	NA	NA
Bureau of Labor Statistics	13,300	11,500	1,800	0	NA	NA
Employment & Training Administration	20,810	0	3,023	17,787	NA	NA
Occupational Safety & Health Administration	3,175	0	3,175	0	NA	NA
Office of the Secretary	6,360	0	2,871	3,489	NA	NA
Pension Benefit Guaranty Corporation	635	0	53	582	NA	NA
Pension & Welfare Benefits Administration	2,265	0	2,265	0	NA	NA
Department of State	4,250	3,750	500	0	NA	NA
Department of Transportation, total	641,350	45,721	288,251	307,378	NA	NA
Coast Guard	20,037	0	5,010	15,027	NA	NA
Federal Aviation Administration	217,636	0	60,373	157,263	NA	NA
Federal Highway Administration	304,809	45,721	152,405	106,683	NA	NA
Federal Railroad Administration	30,288	0	19,913	10,375	NA	NA
Federal Transit Administration	16,009	0	5,515	10,494	NA	NA
National Highway Traffic Safety Admin	38,185	0	38,185	0	NA	NA
Office of the Secretary	2,897	0	0	2,897	NA	NA
Research & Special Programs Administration	11,489	0	6,850	4,639	NA	NA
Department of the Treasury, total	63,633	53	50,209	13,371	NA	NA
Bureau of Engraving & Printing	2,165	53	1,223	889	NA	NA
Internal Revenue Service	50,642	0	47,196	3,446	NA	NA
Office of Thrift Supervision	546	0	546	0	NA	NA
United States Customs Service	9,471	0	660	8,811	NA	NA
United States Mint	225	0	0	225	NA	NA
United States Secret Service ¹²	584	0	584	0	NA	NA
Department of Veterans Affairs	276,197	14,372	239,441	22,384	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1996

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies:						
Advisory Comm on Intergovernmental Relations	1,402	0	1,402	0	NA	NA
Appalachian Regional Commission	900	0	900	0	NA	NA
Consumer Product Safety Commission	30	0	0	30	NA	NA
Environmental Protection Agency	457,111	65,914	286,256	104,941	NA	NA
Federal Communications Commission	2,819	0	2,819	0	NA	NA
Federal Trade Commission	981	0	981	0	NA	NA
International Development Cooperation						
Agency, total	246,500	2,444	224,305	19,751	NA	NA
Agency for International Development	246,500	2,444	224,305	19,751	NA	NA
Library of Congress	8,320	442	1,385	6,493	NA	NA
National Aeronautics & Space Administration	9,613,669	2,009,237	2,272,339	5,332,093	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,141,712	1,967,676	174,036	0	NA	NA
Nuclear Regulatory Commission	59,184	0	59,184	0	NA	NA
Smithsonian Institution	125,400	125,400	0	0	NA	NA
Social Security Administration ¹³	8,292	0	8,292	0	NA	NA
Tennessee Valley Authority	103,352	11,790	19,340	72,222	NA	NA
United States Arms Control & Disarmament Agency	545	0	545	0	NA	NA
United States Information Agency	150	0	150	0	NA	NA
United States International Trade Commission	12,695	0	12,695	0	NA	NA

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

⁵ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

⁶ The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.

⁷ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁸ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

¹⁰ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

¹¹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

¹² The United States Secret Service was formerly listed as the Office of Protective Research.

¹³ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1997

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Total, all agencies	68,063,742	14,732,254	14,441,282	38,890,206	NA	NA
Departments:						
Department of Agriculture, total	1,368,585	607,823	678,441	82,321	NA	NA
Agricultural Marketing Service	4,905	0	4,271	634	NA	NA
Agricultural Research Service ¹	696,617	376,173	264,715	55,729	NA	NA
Animal & Plant Health Inspection Service	20,565	0	0	20,565	NA	NA
Cooperative State Research, Education, & Extension Service ²	402,172	193,227	208,945	0	NA	NA
Economic Research Service	54,947	5,495	49,452	0	NA	NA
Foreign Agricultural Service ³	1,422	1,067	355	0	NA	NA
Forest Service	179,786	30,564	143,829	5,393	NA	NA
Grain Inspection Packers & Stockyards Admin ⁴	2,830	0	2,830	0	NA	NA
National Agricultural Statistics Service	3,941	1,297	2,644	0	NA	NA
Rural Business-Cooperative Service ⁵	1,400	0	1,400	0	NA	NA
Department of Commerce, total	1,095,844	38,774	829,786	227,284	NA	NA
Bureau of the Census	7,074	307	2,564	4,203	NA	NA
Economic Development Administration	1,500	0	1,500	0	NA	NA
National Institute of Standards & Technology	541,734	38,467	327,834	175,433	NA	NA
National Oceanic & Atmospheric Administration	540,791	0	493,143	47,648	NA	NA
Nat'l Telecommunications & Information Admin	4,745	0	4,745	0	NA	NA
Department of Defense, total	32,964,353	1,145,751	2,715,785	29,102,817	NA	NA
Department of the Army, total	4,373,321	204,793	467,291	3,701,237	NA	NA
Department of the Army, Civil Functions ⁶	36,175	1,950	19,755	14,470	NA	NA
Department of the Army, Military Functions	4,337,146	202,843	447,536	3,686,767	455,598	3,231,169
Department of the Navy	7,581,571	386,754	466,971	6,727,846	449,135	6,278,711
Department of the Air Force	13,359,782	233,999	638,576	12,487,207	486,948	12,000,259
Defense Agencies, total	7,376,622	320,205	1,142,947	5,913,470	2,695,040	3,218,430
Ballistic Missile Defense Organization	2,567,090	9,316	86,377	2,471,397	559,851	1,911,546
Defense Advanced Research Projects Agency ⁷	2,185,715	73,948	722,751	1,389,016	1,305,279	83,737
Defense Information Systems Agency	66,605	0	1,849	64,756	0	64,756
Defense Logistics Agency	38,589	0	7,785	30,804	24,993	5,811
Defense Mapping Agency	95,168	0	0	95,168	0	95,168
Defense Nuclear Agency	224,419	0	196,954	27,465	27,465	0
Joint Staff	38,776	0	0	38,776	38,776	0
Special Operations Command	125,613	0	15,048	110,565	46,437	64,128
Washington Headquarters Services ⁸	2,034,647	236,941	112,183	1,685,523	692,239	993,284
Operational Test & Evaluation, Director	22,011	0	0	22,011	0	22,011
Test & Evaluation, Deputy Under Secretary of Defense	251,046	0	0	251,046	0	251,046
Department of Education	188,131	2,937	139,773	45,421	NA	NA
Department of Energy	5,895,206	2,034,582	1,540,558	2,320,066	NA	NA
Department of Health & Human Services, total	12,184,873	6,558,265	4,209,864	1,416,744	NA	NA
Administration on Aging	3,191	0	0	3,191	NA	NA
Administration for Children & Families	19,000	0	17,522	1,478	NA	NA
Agency for Health Care Policy & Research	84,000	0	77,000	7,000	NA	NA
Centers for Disease Control & Prevention	361,181	0	361,181	0	NA	NA
Food & Drug Administration	170,462	0	170,462	0	NA	NA
Health Care Financing Administration	55,310	0	55,310	0	NA	NA
Health Resources & Services Administration	11,668	800	10,868	0	NA	NA
National Institutes of Health ⁹	11,470,511	6,557,465	3,508,521	1,404,525	NA	NA
Office of the Assistant Secretary for Health	550	0	0	550	NA	NA
Office of the Secretary	9,000	0	9,000	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1997

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Department of Housing & Urban Development	45,464	0	16,690	28,774	NA	NA
Department of the Interior, total	573,457	56,891	489,214	27,352	NA	NA
Bureau of Reclamation	7,641	0	5,730	1,911	NA	NA
Geological Survey ¹⁰	524,400	56,341	442,618	25,441	NA	NA
Minerals Management Service	20,579	0	20,579	0	NA	NA
National Park Service ¹¹	20,837	550	20,287	0	NA	NA
Department of Justice, total	93,665	12,400	22,811	58,454	NA	NA
Bureau of Prisons	4,700	0	1,900	2,800	NA	NA
Drug Enforcement Administration	500	0	50	450	NA	NA
Federal Bureau of Investigation	34,829	0	0	34,829	NA	NA
Immigration & Naturalization Service	400	0	400	0	NA	NA
Office of Justice Programs	53,236	12,400	20,461	20,375	NA	NA
Department of Labor, total	42,937	11,300	12,470	19,167	NA	NA
Bureau of Labor Statistics	12,600	11,300	1,300	0	NA	NA
Employment & Training Administration	17,317	0	2,375	14,942	NA	NA
Occupational Safety & Health Administration	3,495	0	3,495	0	NA	NA
Office of the Secretary	6,542	0	2,918	3,624	NA	NA
Pension Benefit Guaranty Corporation	655	0	54	601	NA	NA
Pension & Welfare Benefits Administration	2,328	0	2,328	0	NA	NA
Department of State	4,250	3,750	500	0	NA	NA
Department of Transportation, total	705,673	54,313	339,998	311,362	NA	NA
Coast Guard	19,775	0	4,944	14,831	NA	NA
Federal Aviation Administration	223,700	0	67,570	156,130	NA	NA
Federal Highway Administration	362,085	54,313	181,043	126,729	NA	NA
Federal Railroad Administration	24,145	0	23,495	650	NA	NA
Federal Transit Administration	14,630	0	5,802	8,828	NA	NA
Maritime Administration	2,006	0	2,006	0	NA	NA
National Highway Traffic Safety Admin	45,663	0	45,663	0	NA	NA
Office of the Secretary	2,808	0	0	2,808	NA	NA
Research & Special Programs Administration	10,861	0	9,475	1,386	NA	NA
Department of the Treasury, total	64,355	29	53,872	10,454	NA	NA
Bureau of Engraving & Printing	2,001	29	1,144	828	NA	NA
Internal Revenue Service	54,328	0	50,830	3,498	NA	NA
Office of Thrift Supervision	583	0	583	0	NA	NA
United States Customs Service	6,403	0	700	5,703	NA	NA
United States Mint	425	0	0	425	NA	NA
United States Secret Service ¹²	615	0	615	0	NA	NA
Department of Veterans Affairs	258,000	13,654	222,520	21,826	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Preliminary Federal obligations for total research and development, by agency and character of work: fiscal year 1997

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development		
		Basic	Applied	Total	Advanced technology	Major systems
Other agencies:						
Appalachian Regional Commission	900	0	900	0	NA	NA
Environmental Protection Agency	580,971	75,085	335,468	170,418	NA	NA
Federal Communications Commission	2,749	0	2,749	0	NA	NA
Federal Trade Commission	1,034	0	1,034	0	NA	NA
International Development Cooperation Agency, total	186,827	4,870	167,870	14,087	NA	NA
Agency for International Development	186,827	4,870	167,870	14,087	NA	NA
Library of Congress	9,116	458	1,428	7,230	NA	NA
National Aeronautics & Space Administration	9,204,151	1,884,953	2,355,587	4,963,611	NA	NA
National Archives & Records Administration	120	0	120	0	NA	NA
National Science Foundation	2,278,922	2,089,619	189,303	0	NA	NA
Nuclear Regulatory Commission	59,014	0	59,014	0	NA	NA
Smithsonian Institution	136,800	136,800	0	0	NA	NA
Social Security Administration ¹³	27,698	0	27,698	0	NA	NA
Tennessee Valley Authority	77,000	0	14,182	62,818	NA	NA
United States Arms Control & Disarmament Agency	1,000	0	1,000	0	NA	NA
United States Information Agency	136	0	136	0	NA	NA
United States International Trade Commission	12,511	0	12,511	0	NA	NA

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 5 This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- 6 The Department of the Army, Civil functions (Corps of Engineers) development activities are appropriated by the Energy & Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown.
- 7 This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- 8 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- 9 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 10 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 11 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 12 The United States Secret Service was formerly listed as the Office of Protective Research.
- 13 As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: NA = Not applicable (data are not collected in this category for this agency)

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Total, all agencies	68,754.9	17,342.7	30,468.7	1,203.9	11,933.0	3,574.3	2,806.5	831.4	316.5	277.8
Departments:										
Department of Agriculture, total	1,379.8	915.3	10.7	.0	434.5	.0	12.3	.0	2.4	4.6
Agricultural Marketing Service	4.8	4.3	.0	.0	.5	.0	.0	.0	.0	.0
Agricultural Research Service ²	683.3	648.9	.0	.0	26.3	.0	3.9	.0	.3	3.9
Animal & Plant Hlth Inspection Svc	19.1	17.5	.0	.0	1.6	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service ³	417.7	19.0	10.5	.0	379.8	.0	7.0	.0	1.5	.0
Economic Research Service	53.8	50.6	.0	.0	3.2	.0	.0	.0	.0	.0
Foreign Agricultural Service ⁴ .....	.5	.3	.0	.0	.1	.0	.0	.0	.0	.0
Forest Service	193.5	167.7	.2	.0	23.0	.0	1.4	.0	.6	.7
Grain Inspection Packers & Stockyards Administration ⁵	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	4.0	3.8	.0	.0	.1	.0	-	.0	.0	.0
Rural Business-Cooperative Service ⁶	1.6	1.6	.0	.0	-	.0	.0	.0	.0	.0
Department of Commerce, total	1,136.0	664.8	376.4	.0	85.3	.1	3.7	.0	4.4	1.2
Bureau of the Census	4.9	4.9	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin .....	.5	-	.5	.0	.0	.0	.1	.0	.0	.0
National Inst of Standards & Tech	563.3	211.0	336.1	.0	11.8	.1	3.0	.0	.0	1.2
Nat'l Oceanic & Atmospheric Admin	560.9	442.5	39.9	.0	73.5	.0	.7	.0	4.4	.0
National Telecommunications & Information Administration	6.4	6.4	.0	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	-	-	.0	.0	.0	.0	.0	.0	.0	-
Department of Defense, research ⁷	4,333.9	1,563.6	1,509.4	19.2	1,062.8	70.4	77.7	15.9	.0	14.8
Department of Defense, development ⁸	30,028.1	7,343.3	21,042.4	74.3	529.6	191.1	303.2	452.3	1.3	90.7
Department of Defense, advanced technology development	4,578.2	1,504.7	2,379.9	38.5	192.0	108.1	257.7	61.9	.8	34.6
Department of Defense, major system development	25,449.9	5,838.6	18,662.5	35.7	337.6	83.0	45.6	390.3	.4	56.1
Department of the Army, research & development (R&D)	5,419.3	2,409.8	2,668.9	26.9	237.5	26.3	12.4	23.4	.0	14.1
Department of the Navy, R&D	8,963.3	3,355.6	4,937.8	1.1	446.2	26.8	111.4	70.5	.0	14.0
Department of the Air Force, R&D	11,797.9	1,113.8	10,164.1	14.5	190.3	42.4	11.7	259.1	.4	1.6
Defense Agencies, R&D, total	7,928.9	1,825.2	4,749.2	51.0	718.5	166.0	245.2	97.3	.8	75.8
Ballistic Missile Defense Organization, R&D	2,395.0	440.9	1,747.4	20.0	75.7	59.7	1.2	19.2	.0	30.9
Defense Advanced Research Projects Agency, R&D ⁹	2,503.8	386.3	1,490.6	4.7	294.4	61.3	237.6	23.0	.8	4.9
Defense Information Systems Agency, R&D	79.0	18.5	46.5	.0	.8	.8	.0	12.4	.0	.0
Defense Logistics Agency, R&D	33.6	16.8	12.7	.0	4.1	.0	.0	.0	.0	.0
Defense Mapping Agency, R&D	78.3	4.7	71.2	.0	1.1	.5	.0	.8	.0	.0
Defense Nuclear Agency, R&D	243.9	55.9	159.6	5.3	4.6	14.2	2.7	.5	.0	1.1
Joint Staff, R&D	4.2	3.7	.5	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	264.6	73.8	151.5	3.8	.0	.0	.0	.0	.0	35.5
Washington Headquarters Services, R&D ¹⁰	2,326.7	824.8	1,069.3	17.1	337.6	29.5	3.8	41.3	.0	3.4
Operational Test & Evaluation, R&D, Director	21.7	7.9	.0	.0	.0	.2	.4	13.2	.0	.0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	231.0	194.6	31.8	.0	.0	.0	.0	4.6	.0	.0

See explanatory information, if any, and SOURCE at end of table.

**Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Department of Education	177.6	9.2	7.5	.0	108.5	.0	46.0	.0	6.5	.0
Department of Energy	6,145.0	490.7	1,650.0	935.6	594.3	2,057.3	71.4	302.9	18.2	24.5
Dept of Health & Human Svcs, total	11,455.2	2,484.9	598.8	142.2	6,394.5	24.5	1,606.9	19.4	141.2	42.8
Administration on Aging	20.7	.9	2.0	.0	4.7	.0	9.9	.0	3.2	.0
Admin for Children & Families	12.0	.2	.0	.0	10.6	.0	1.2	.0	-	.0
Agcy for Hlth Care Policy & Rsch	135.3	26.6	30.2	.0	50.1	.0	27.5	.0	.0	.8
Centers for Disease Control & Prevention	317.4	275.5	1.1	.0	31.7	.2	8.6	.1	.2	.0
Food & Drug Administration	170.5	153.9	.0	.0	9.9	.0	6.7	.0	.0	.0
Health Care Financing Admin	74.5	.1	27.3	.0	5.8	.0	19.2	.0	21.9	.3
Health Resources & Services Admin	13.2	2.8	.0	.0	7.8	.0	2.5	.0	.0	.0
National Institutes of Health ¹¹	10,681.8	2,010.5	535.1	142.2	6,271.1	24.2	1,526.8	19.3	110.8	41.7
Office of the Assistant Secretary for Health .....	.3	-	.0	.0	.0	.0	.3	.0	.0	.0
Office of the Secretary	9.1	3.8	1.4	.0	1.5	.0	2.2	.0	.3	.0
Social Security Administration ¹²	20.4	10.6	1.7	.0	1.2	.0	2.0	.0	4.8	.0
Dept of Housing & Urban Dvlpmnt	41.8	25.7	5.8	.0	1.6	.0	8.7	.0	.0	.0
Department of the Interior, total	561.6	491.9	16.4	.1	50.0	.6	.6	.0	1.0	1.0
Bureau of Reclamation	8.0	7.1	.0	.0	.6	.0	.3	.0	.0	.0
Geological Survey ¹³	362.0	326.3	11.0	.0	24.8	.0	.0	.0	.0	.0
Minerals Management Service	20.0	5.9	3.7	.1	8.3	.5	.0	.0	.4	1.0
National Biological Service ^{14 13}	151.8	143.5	.1	.0	7.4	.0	.2	.0	.6	.0
National Park Service ¹⁴	19.7	9.1	1.6	.0	8.8	.1	-	.0	.0	.0
Office of the Secretary	-	-	-	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	57.9	17.4	1.2	.0	7.2	.0	20.2	.0	11.9	.0
Bureau of Prisons	5.7	2.6	.0	.0	.0	.0	.0	.0	3.1	.0
Drug Enforcement Administration .....	.4	.1	.4	.0	.0	.0	.0	.0	.0	.0
Federal Bureau of Investigation	10.9	10.9	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc .....	.4	-	.0	.0	.0	.0	.4	.0	.0	.0
Office of Justice Programs	40.5	3.8	.8	.0	7.2	.0	19.8	.0	8.8	.0

See explanatory information, if any, and SOURCE at end of table.

**Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Department of Labor, total	53.7	11.6	11.1	.0	10.1	.0	3.5	.0	17.3	.0
Bureau of Labor Statistics	13.1	3.8	.0	.0	9.3	.0	.0	.0	.0	.0
Employment & Training Admin	25.6	2.7	3.1	.0	.6	.0	2.1	.0	17.1	.0
Occupational Safety & Hlth Admin	4.4	1.3	3.1	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	6.3	2.8	2.3	.0	.2	.0	.8	.0	.3	.0
Pension Benefit Guaranty Corp .....	.8	.2	.6	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	3.6	.8	2.1	.0	-	.0	.7	.0	.0	.0
Department of State	5.0	.4	.1	.0	.0	-	4.5	.0	.0	.0
Department of Transportation, total	727.0	235.5	268.6	1.6	48.0	27.9	36.8	10.3	98.0	0.3
Coast Guard	19.7	14.0	5.2	.0	.5	.0	.0	.0	.0	.0
Federal Aviation Administration	288.4	122.4	121.9	1.2	20.4	11.9	.0	10.3	.0	.2
Federal Highway Administration	312.5	52.0	119.2	.4	13.6	15.9	22.7	.0	88.7	.0
Federal Railroad Administration	26.5	15.6	4.3	.0	1.3	.0	5.3	.0	.0	-
Federal Transit Administration	28.7	4.2	2.0	.0	5.7	.0	7.5	.0	9.3	.0
Maritime Administration	2.5	.7	1.0	.0	.5	.0	.2	.0	.0	-
National Highway Traffic Safety Administration	39.7	20.9	11.8	.0	6.0	.0	1.0	.0	.0	.0
Office of the Secretary	3.9	2.9	1.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Admin	5.0	2.8	2.2	.0	.0	.0	.0	.0	.0	.0
Department of the Treasury, total	61.4	35.2	7.5	.0	.0	1.5	.0	17.2	.0	.0
Bureau of Engraving & Printing	1.8	1.6	.0	.0	.0	.2	.0	.0	.0	.0
Internal Revenue Service	49.7	31.2	.0	.0	.0	1.3	.0	17.2	.0	.0
Office of Thrift Supervision .....	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	8.5	1.5	6.9	.0	.0	.0	.0	.0	.0	.0
United States Mint .....	.3	-	.3	.0	.0	.0	.0	.0	.0	.0
United States Secret Service ¹⁵ .....	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	237.9	235.4	.0	.0	2.5	.0	.0	.0	.0	.0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0
Appalachian Regional Commission .....	.9	.1	.3	.0	.5	.0	.0	.0	.0	.0
Consumer Product Safety Commission .....	.4	.4	-	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	551.5	224.6	150.1	.0	125.7	.0	41.2	.0	6.4	3.5
Federal Communications Commission	2.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission .....	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
Internat'l Dvlpmt Cooperation Agency, total	302.5	61.9	12.2	.0	30.2	.0	161.3	.0	.0	37.0
Agency for Internat'l Dvlpmt	302.5	61.9	12.2	.0	30.2	.0	161.3	.0	.0	37.0
Library of Congress	10.2	10.2	.0	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	9,014.9	2,253.7	4,686.6	.0	708.1	1,043.9	269.1	3.8	2.9	46.8
National Archives & Records Admin .....	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	2,149.3	17.3	108.6	-	1,733.5	140.9	138.2	.6	4.8	5.3
Nuclear Regulatory Commission	88.2	15.5	4.1	30.9	6.1	16.1	1.2	9.1	.0	5.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-8. Federal obligations for total research and development, by agency and performer:
fiscal year 1995**

[Dollars in millions]

Page 4 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Smithsonian Institution	124.0	124.0	.0	.0	.0	.0	.0	.0	.0	.0
Tennessee Valley Authority	93.1	93.1	.0	.0	.0	.0	.0	.0	.0	.0
US Arms Control & Disarmament Agcy	1.1	.3	0.9	.0	.0	.0	.0	.0	.0	.0
United States Information Agency .....	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
US Internat'l Trade Commission	12.2	12.2	.0	.0	.0	.0	.0	.0	.0	.0

- ¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.
- ⁸ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.
- ⁹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ¹⁰ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ¹¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹² As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- ¹³ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹⁴ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁵ The United States Secret Service was formerly listed as the Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: - = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Total, all agencies	69,076.9	16,897.0	31,267.6	1,231.3	12,251.2	3,302.2	2,866.6	721.2	273.8	266.0
Departments:										
Department of Agriculture, total	1,352.3	897.7	10.4	.0	423.1	.0	14.8	.0	2.3	3.8
Agricultural Marketing Service	4.9	4.9	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service ²	680.9	643.4	.0	.0	27.7	.0	6.4	.0	.3	3.1
Animal & Plant Hlth Inspection Svc	19.7	18.2	.0	.0	1.5	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service ³	406.2	18.8	10.3	.0	368.7	.0	7.0	.0	1.5	.0
Economic Research Service	53.1	51.2	.0	.0	1.9	.0	.0	.0	.0	.0
Foreign Agricultural Service ⁴	1.4	1.1	.0	.0	.4	.0	.0	.0	.0	.0
Forest Service	178.0	152.2	.2	.0	23.0	.0	1.4	.0	.6	.7
Grain Inspection Packers & Stockyards Administration ⁵	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.8	.0	.0	.1	.0	-	.0	.0	.0
Rural Business-Cooperative Service ⁶	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0
Department of Commerce, total	1,172.6	688.1	397.6	.0	76.9	.2	5.3	.0	3.1	1.5
Bureau of the Census	7.1	7.1	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin .....	.5	-	.2	.0	.0	.0	.3	.0	.0	.0
National Inst of Standards & Tech	631.7	219.9	395.5	.0	11.2	.1	3.6	.0	.0	1.4
Nat'l Oceanic & Atmospheric Admin	528.8	456.7	1.9	.0	65.8	.1	1.4	.0	3.1	.0
National Telecommunications & Information Administration	4.5	4.5	.0	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	-	-	.0	.0	.0	.0	.0	.0	.0	-
Department of Defense, research ⁷	3,948.4	1,402.0	1,334.6	11.4	1,026.4	57.9	81.3	18.6	.0	16.3
Department of Defense, development ⁸	30,335.9	7,253.2	21,699.3	64.6	353.2	165.3	285.9	430.7	.0	83.7
Department of Defense, advanced technology development	4,828.7	1,510.7	2,695.6	20.4	151.0	100.2	242.7	76.2	.0	32.0
Department of Defense, major system development	25,507.1	5,742.5	19,003.7	44.2	202.2	65.1	43.2	354.5	.0	51.7
Department of the Army, research & development (R&D)	4,833.3	2,251.9	2,373.4	9.8	119.1	32.3	17.2	21.6	.0	8.0
Department of the Navy, R&D	8,804.0	3,193.6	4,957.2	3.0	435.2	18.9	110.7	68.5	.0	16.9
Department of the Air Force, R&D	12,096.2	1,037.0	10,593.0	15.3	183.7	8.9	16.1	240.0	.0	2.3
Defense Agencies, R&D, total	8,299.9	1,965.3	5,086.8	47.9	641.6	162.9	223.2	99.5	.0	72.7
Ballistic Missile Defense Organization, R&D	2,910.8	537.7	2,178.4	18.8	57.9	57.4	.1	18.8	.0	41.8
Defense Advanced Research Projects Agency, R&D ⁹	2,255.0	341.7	1,348.4	4.8	260.7	56.6	215.0	26.1	.0	1.7
Defense Information Systems Agency, R&D	56.3	15.7	31.4	.0	.0	.3	3.8	5.2	.0	.0
Defense Logistics Agency, R&D	34.9	24.6	8.5	.0	1.8	.0	.0	.0	.0	.0
Defense Mapping Agency, R&D	58.9	3.6	52.7	.0	1.0	.3	.0	1.3	.0	.0
Defense Nuclear Agency, R&D	194.8	43.6	130.5	3.4	.8	11.1	2.6	.4	.0	2.4
Joint Staff, R&D	12.5	5.3	7.3	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	156.9	43.1	90.2	2.3	.0	.0	.0	.0	.0	21.4
Washington Headquarters Services, R&D ¹⁰	2,619.8	950.0	1,239.5	18.7	319.4	37.3	1.7	47.7	.0	5.5
Operational Test & Evaluation, R&D, Director	23.0	8.7	.7	.0	.0	.2	.0	13.4	.0	.0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	227.8	198.8	22.8	.0	.0	.0	.0	6.3	.0	.0

See explanatory information, if any, and SOURCE at end of table.

**Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Department of Education	181.7	8.9	10.5	.0	112.6	.0	44.7	.0	5.0	.0
Department of Energy	5,675.7	416.2	1,485.7	905.2	557.1	2,001.8	55.0	224.0	12.9	18.1
Dept of Health & Human Svcs, total	11,914.2	2,239.6	547.2	224.0	6,995.2	18.5	1,694.2	21.0	130.4	44.3
Administration on Aging	3.7	.9	.0	.0	.0	.0	2.9	.0	.0	.0
Admin for Children & Families	9.0	.2	.0	.0	7.9	.0	.9	.0	.0	.0
Agcy for Hlth Care Policy & Rsch	65.2	17.1	13.5	.0	22.1	.0	12.5	.0	.0	.0
Centers for Disease Control & Prevention	323.2	281.3	1.1	.0	31.7	.2	8.6	.1	.2	.0
Food & Drug Administration	170.5	153.9	.0	.0	9.9	.0	6.7	.0	.0	.0
Health Care Financing Admin	54.5	-	23.9	.0	5.2	.0	13.9	.0	11.1	.3
Health Resources & Services Admin	13.0	2.4	.0	.0	8.1	.0	2.5	.0	.0	.0
National Institutes of Health ¹¹	11,265.6	1,780.2	506.7	224.0	6,908.3	18.2	1,644.2	20.9	119.1	44.0
Office of the Assistant Secretary for Health .....	.5	-	.0	.0	.0	.0	.5	.0	.0	.0
Office of the Secretary	9.0	3.5	2.0	.0	2.0	.0	1.5	.0	.0	.0
Dept of Housing & Urban Dvlpmnt	35.0	19.0	10.6	.0	1.4	.0	3.9	.0	.0	.0
Department of the Interior, total	565.1	492.8	15.2	-	55.0	.4	.3	.0	.2	1.3
Bureau of Reclamation	6.0	5.6	.0	.0	.3	.0	.2	.0	.0	.0
Geological Survey ¹²	518.5	470.4	10.9	.0	37.3	.0	.0	.0	.0	.0
Minerals Management Service	20.8	7.7	2.7	-	8.5	.4	-	.0	.2	1.3
National Park Service ¹³	19.8	9.1	1.6	.0	8.9	.0	.1	.0	.0	.0
Office of the Secretary	-	-	-	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	80.9	42.2	1.2	.4	6.3	.0	26.7	.0	4.1	.0
Bureau of Prisons	4.7	2.4	.0	.0	.0	.0	.0	.0	2.3	.0
Drug Enforcement Administration	1.2	.1	.7	.4	.0	.0	.0	.0	.0	.0
Federal Bureau of Investigation	36.8	36.8	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc .....	.4	-	.0	.0	.0	.0	.4	.0	.0	.0
Office of Justice Programs	37.8	2.8	.5	.0	6.3	.0	26.4	.0	1.8	.0

See explanatory information, if any, and SOURCE at end of table.

**Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996**

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Department of Labor, total	46.5	14.1	10.6	.0	5.4	.0	5.8	.0	10.7	.0
Bureau of Labor Statistics	13.3	8.2	.0	.0	5.1	.0	.0	.0	.0	.0
Employment & Training Admin	20.8	1.6	4.5	.0	.3	.0	3.8	.0	10.7	.0
Occupational Safety & Hlth Admin	3.2	.9	2.2	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	6.4	2.4	1.9	.0	.1	.0	2.0	.0	.0	.0
Pension Benefit Guaranty Corp .....	.6	.2	.4	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	2.3	.8	1.5	.0	.0	.0	.0	.0	.0	.0
Department of State	4.3	.4	.1	.0	-	-	3.7	.0	.0	.0
Department of Transportation, total	641.4	191.1	231.9	2.4	75.8	8.3	34.3	7.1	90.2	0.2
Coast Guard	20.0	14.2	5.4	.0	.4	.0	.0	.0	.0	.0
Federal Aviation Administration	217.6	87.8	83.4	.9	30.0	8.3	.0	7.1	.0	.2
Federal Highway Administration	304.8	47.6	118.7	1.5	30.2	.0	24.8	.0	81.9	.0
Federal Railroad Administration	30.3	12.5	4.4	.0	1.9	.0	5.4	.0	6.1	-
Federal Transit Administration	16.0	2.6	.7	.0	7.3	.0	3.1	.0	2.3	.0
National Highway Traffic Safety Administration	38.2	19.2	12.0	.0	6.0	.0	1.0	.0	.0	.0
Office of the Secretary	2.9	2.9	.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Admin	11.5	4.2	7.3	.0	.0	.0	.0	.0	.0	.0
Department of the Treasury, total	63.6	40.3	8.1	.0	.6	.1	.0	14.5	.0	.0
Bureau of Engraving & Printing	2.2	2.0	.0	.0	.0	.1	.0	.0	.0	.0
Internal Revenue Service	50.6	35.6	.0	.0	.6	.0	.0	14.5	.0	.0
Office of Thrift Supervision .....	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	9.5	1.9	7.6	.0	.0	.0	.0	.0	.0	.0
United States Mint .....	.2	-	.2	.0	.0	.0	.0	.0	.0	.0
United States Secret Service ¹⁴ .....	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	276.2	274.3	.0	.0	1.9	.0	.0	.0	.0	.0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0
Appalachian Regional Commission .....	.9	.1	.1	.0	.7	.0	.0	.0	.0	.0
Consumer Product Safety Commission	-	-	.0	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	457.1	186.2	124.4	.0	104.2	.0	34.1	.0	5.3	2.9
Federal Communications Commission	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
Internat'l Dvlpmt Cooperation Agency, total	246.5	36.6	9.7	.0	18.9	.0	143.3	.0	.0	38.0
Agency for Internat'l Dvlpmt	246.5	36.6	9.7	.0	18.9	.0	143.3	.0	.0	38.0
Library of Congress	8.3	8.3	.0	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	9,613.7	2,403.4	5,258.4	.0	708.1	903.3	286.9	3.8	2.9	46.8
National Archives & Records Admin .....	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	2,141.7	20.1	106.5	-	1,725.6	135.6	143.4	.6	4.7	5.3
Nuclear Regulatory Commission	59.2	13.9	3.6	23.3	2.2	10.8	.6	1.1	.0	3.8

See explanatory information, if any, and SOURCE at end of table.

**Table C-9. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1996**

[Dollars in millions]

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Page 1 of 1

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Smithsonian Institution	125.4	125.4	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration ¹⁵	8.3	1.7	1.6	.0	0.7	.0	2.4	.0	1.8	.0
Tennessee Valley Authority	103.4	103.4	.0	.0	.0	.0	.0	.0	.0	.0
US Arms Control & Disarmament Agcy .....	.5	.1	.5	.0	.0	.0	.0	.0	.0	.0
United States Information Agency .....	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
US Internat'l Trade Commission	12.7	12.7	.0	.0	.0	.0	.0	.0	.0	.0

- ¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.
- ⁸ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.
- ⁹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ¹⁰ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ¹¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The United States Secret Service was formerly listed as the Office of Protective Research.
- ¹⁵ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: - = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-10. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1997**

[Dollars in millions]

Page 1 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Total, all agencies	68,063.7	16,403.7	30,712.6	1,339.5	12,362.2	3,230.6	2,883.6	644.1	281.6	205.9
Departments:										
Department of Agriculture, total	1,368.6	922.3	12.3	.0	420.6	.0	7.3	.0	2.3	3.8
Agricultural Marketing Service	4.9	4.9	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service ²	696.6	662.8	.0	.0	27.7	.0	2.7	.0	.3	3.1
Animal & Plant Hlth Inspection Svc	20.6	19.1	.0	.0	1.5	.0	.0	.0	.0	.0
Cooperative State Research, Education, & Extension Service ³	402.2	19.3	12.1	.0	366.1	.0	3.2	.0	1.5	.0
Economic Research Service	54.9	53.1	.0	.0	1.9	.0	.0	.0	.0	.0
Foreign Agricultural Service ⁴	1.4	1.1	.0	.0	.4	.0	.0	.0	.0	.0
Forest Service	179.8	154.0	.2	.0	23.0	.0	1.4	.0	.6	.7
Grain Inspection Packers & Stockyards Administration ⁵	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.8	.0	.0	.1	.0	-	.0	.0	.0
Rural Business-Cooperative Service ⁶	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0
Department of Commerce, total	1,095.8	712.3	302.8	.0	70.8	.2	5.6	.0	3.1	1.1
Bureau of the Census	7.1	7.1	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	1.5	-	.6	.0	.0	.0	.9	.0	.0	.0
National Inst of Standards & Tech	541.7	225.6	300.1	.0	11.8	.1	3.0	.0	.0	1.1
Nat'l Oceanic & Atmospheric Admin	540.8	474.9	2.0	.0	59.0	.1	1.7	.0	3.1	.0
National Telecommunications & Information Administration	4.7	4.7	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, research ⁷	3,861.5	1,366.0	1,344.6	9.1	968.1	68.8	77.7	14.0	.0	13.4
Department of Defense, development ⁸	29,102.8	6,552.8	21,280.1	145.6	319.7	134.2	273.6	348.9	.0	48.0
Department of Defense, advanced technology development	4,101.2	1,159.4	2,361.4	22.5	147.3	75.1	238.7	64.9	.0	31.9
Department of Defense, major system development	25,001.6	5,393.4	18,918.7	123.2	172.4	59.1	34.9	283.9	.0	16.0
Department of the Army, research & development (R&D)	4,373.3	2,276.8	1,919.3	3.3	123.3	15.4	15.0	15.5	.0	4.7
Department of the Navy, R&D	7,581.6	2,850.1	4,113.0	3.3	411.8	18.5	108.2	65.2	.0	11.5
Department of the Air Force, R&D	13,359.8	1,013.5	11,922.1	73.0	175.7	8.3	14.8	150.4	.0	2.0
Defense Agencies, R&D, total	7,376.6	1,550.7	4,645.7	75.0	577.0	160.8	213.3	111.1	.0	43.1
Ballistic Missile Defense Organization, R&D	2,567.1	456.9	1,965.1	12.3	49.7	47.7	.0	18.6	.0	16.7
Defense Advanced Research Projects Agency, R&D ⁹	2,185.7	310.7	1,331.2	4.7	253.4	54.7	209.4	20.9	.0	.7
Defense Information Systems Agency, R&D	66.6	17.6	43.1	.0	.0	.0	.9	5.0	.0	.0
Defense Logistics Agency, R&D	38.6	28.7	5.1	.0	4.8	.0	.0	.0	.0	.0
Defense Mapping Agency, R&D	95.2	9.6	83.9	.0	.9	.0	.0	.8	.0	.0
Defense Nuclear Agency, R&D	224.4	47.9	159.5	3.2	.7	10.3	1.5	.3	.0	1.2
Joint Staff, R&D	38.8	35.3	3.5	.0	.0	.0	.0	.0	.0	.0
Special Operations Command, R&D	125.6	33.7	72.6	1.9	.0	.0	.0	.0	.0	17.5
Washington Headquarters Services, R&D ¹⁰	2,034.6	610.4	981.7	53.0	267.4	48.1	1.4	65.6	.0	7.0
Operational Test & Evaluation, R&D, Director	22.0	7.7	.7	.0	.0	.0	.0	13.6	.0	.0
Test & Evaluation, R&D, Deputy Under Secretary of Defense	251.0	220.0	23.9	.0	.0	.0	.0	7.2	.0	.0

See explanatory information, if any, and SOURCE at end of table.

**Table C-10. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1997**

[Dollars in millions]

Page 2 of 4

Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Department of Education	188.1	9.3	11.8	.0	113.0	.0	48.0	.0	6.1	.0
Department of Energy	5,895.2	507.3	1,515.9	932.7	574.2	2,035.1	69.0	232.8	13.7	14.4
Dept of Health & Human Svcs, total	12,184.9	2,362.1	556.8	227.0	7,087.8	21.3	1,733.8	21.2	129.1	45.7
Administration on Aging	3.2	.3	.0	.0	.0	.0	2.9	.0	.0	.0
Admin for Children & Families	19.0	.4	.0	.0	16.7	.0	1.9	.0	.0	.0
Agcy for Hlth Care Policy & Rsch	84.0	25.7	16.3	.0	26.8	.0	15.2	.0	.0	.0
Centers for Disease Control & Prevention	361.2	319.3	1.1	.0	31.7	.2	8.6	.1	.2	.0
Food & Drug Administration	170.5	153.9	.0	.0	9.9	.0	6.7	.0	.0	.0
Health Care Financing Admin	55.3	.1	29.7	.0	6.6	.0	10.2	.0	8.5	.3
Health Resources & Services Admin	11.7	2.1	.0	.0	7.1	.0	2.5	.0	.0	.0
National Institutes of Health ¹¹	11,470.5	1,856.8	507.7	227.0	6,987.0	21.1	1,683.9	21.1	120.4	45.4
Office of the Assistant Secretary for Health .....	.6	.1	.0	.0	.0	.0	.5	.0	.0	.0
Office of the Secretary	9.0	3.5	2.0	.0	2.0	.0	1.5	.0	.0	.0
Dept of Housing & Urban Dvlpmnt	45.5	25.8	11.5	.0	1.0	.0	7.2	.0	.0	.0
Department of the Interior, total	573.5	508.3	15.6	-	47.8	.4	.2	.0	.2	1.0
Bureau of Reclamation	7.6	7.6	.0	.0	.1	.0	.0	.0	.0	.0
Geological Survey ¹²	524.4	483.4	11.3	.0	29.8	.0	.0	.0	.0	.0
Minerals Management Service	20.6	7.8	2.7	-	8.5	.4	-	.0	.2	1.0
National Park Service ¹³	20.8	9.6	1.6	.0	9.5	.0	.1	.0	.0	.0
Department of Justice, total	93.7	43.8	.5	.4	7.1	.0	30.0	.0	12.0	.0
Bureau of Prisons	4.7	2.4	.0	.0	.0	.0	.0	.0	2.3	.0
Drug Enforcement Administration .....	.5	.1	.0	.4	.0	.0	.0	.0	.0	.0
Federal Bureau of Investigation	34.8	34.8	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc .....	.4	-	.0	.0	.0	.0	.4	.0	.0	.0
Office of Justice Programs	53.2	6.4	.5	.0	7.1	.0	29.6	.0	9.7	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-10. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1997

[Dollars in millions]

Page 3 of 4

Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by nonprofit insti-tutions	State and local govts	
Department of Labor, total	42.9	20.9	9.4	.0	0.2	.0	3.5	.0	9.0	.0
Bureau of Labor Statistics	12.6	12.6	.0	.0	.0	.0	.0	.0	.0	.0
Employment & Training Admin	17.3	1.5	3.8	.0	.2	.0	2.9	.0	9.0	.0
Occupational Safety & Hlth Admin	3.5	1.0	2.5	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	6.5	4.8	1.2	.0	.0	.0	.6	.0	.0	.0
Pension Benefit Guaranty Corp .....	.7	.2	.4	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefits Admin	2.3	.8	1.5	.0	.0	.0	.0	.0	.0	.0
Department of State	4.3	.4	.1	.0	-	-	3.7	.0	.0	.0
Department of Transportation, total	705.7	239.4	264.1	1.5	67.0	8.6	26.6	7.1	91.4	0.1
Coast Guard	19.8	14.0	5.4	.0	.3	.0	.0	.0	.0	.0
Federal Aviation Administration	223.7	95.0	77.2	.9	35.0	8.4	.0	7.1	.0	.1
Federal Highway Administration	362.1	81.7	155.4	.6	15.1	.2	18.7	.0	90.5	.0
Federal Railroad Administration	24.1	15.1	2.5	.0	1.5	.0	5.1	.0	.0	.0
Federal Transit Administration	14.6	2.6	.5	.0	8.9	.0	1.7	.0	.9	.0
Maritime Administration	2.0	.5	1.2	.0	.2	.0	.2	.0	.0	.0
National Highway Traffic Safety Administration	45.7	23.7	15.0	.0	6.0	.0	1.0	.0	.0	.0
Office of the Secretary	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Admin	10.9	3.9	7.0	.0	.0	.0	.0	.0	.0	.0
Department of the Treasury, total	64.4	44.6	5.2	.0	-	-	.0	14.5	.0	.0
Bureau of Engraving & Printing	2.0	2.0	.0	.0	.0	-	.0	.0	.0	.0
Internal Revenue Service	54.3	39.8	.0	.0	-	.0	.0	14.5	.0	.0
Office of Thrift Supervision .....	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	6.4	1.9	4.5	.0	.0	.0	.0	.0	.0	.0
United States Mint .....	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0
United States Secret Service ¹⁴ .....	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	258.0	256.0	.0	.0	2.0	.0	.0	.0	.0	.0
Other agencies:										
Appalachian Regional Commission .....	.9	.1	.1	.0	.7	.0	.0	.0	.0	.0
Environmental Protection Agency	581.0	236.6	158.1	.0	132.4	.0	43.4	.0	6.7	3.7
Federal Communications Commission	2.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
Internat'l Dvlpmt Cooperation Agency, total	186.8	21.2	9.7	.0	13.0	.0	122.7	.0	.0	20.1
Agency for Internat'l Dvlpmt	186.8	21.2	9.7	.0	13.0	.0	122.7	.0	.0	20.1
Library of Congress	9.1	9.1	.0	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	9,204.2	2,301.0	5,062.7	.0	708.1	803.9	274.7	3.8	3.1	46.8
National Archives & Records Admin .....	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	2,278.9	18.9	124.6	-	1,823.6	145.4	155.6	.5	4.9	5.4
Nuclear Regulatory Commission	59.0	13.8	2.0	23.3	3.2	12.7	.4	1.4	.0	2.3

See explanatory information, if any, and SOURCE at end of table.

**Table C-10. Preliminary Federal obligations for total research and development, by agency and performer:
fiscal year 1997**

[Dollars in millions]

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Agency and subdivision	Total	Intra- mural ¹	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other non- profit insti- tutions	FFRDCs admin by nonprofit insti- tutions	State and local govts	
Smithsonian Institution	136.8	136.8	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Administration ¹⁵	27.7	1.1	23.9	.0	2.0	.0	0.7	.0	-	.0
Tennessee Valley Authority	77.0	77.0	.0	.0	.0	.0	.0	.0	.0	.0
US Arms Control & Disarmament Agcy	1.0	.2	.8	.0	.0	.0	.0	.0	.0	.0
United States Information Agency .....	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
US Internat'l Trade Commission	12.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0

- ¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.
- ² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- ³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- ⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- ⁵ The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- ⁶ This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- ⁷ Beginning with Vol. 40, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.
- ⁸ Not all Department of Defense (DoD) agencies with development obligations are able to categorize these obligations according to the advanced technology and major systems development breakdown. Therefore, total DoD development does not equal the sum of total DoD advanced technology development and total DoD major systems development.
- ⁹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- ¹⁰ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- ¹¹ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- ¹² As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- ¹³ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- ¹⁴ The United States Secret Service was formerly listed as the Office of Protective Research.
- ¹⁵ As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

NOTES: Because of rounding, detail may not add to totals.

Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Beginning with Vol. 44, Department of Defense development obligations are reported in two categories: advanced technology and major systems.

KEY: - = Amount less than 50 thousand dollars
FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-11. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,609,641	1,203,899	3,574,349	831,393	701,654	95,143	543,888	62,623
Department of Commerce, total	129	0	129	0	0	0	0	0
National Inst of Standards & Tech	129	0	129	0	0	0	0	0
Department of Defense, total	823,106	93,468	261,520	468,118	315	0	115	200
Department of the Army	76,603	26,941	26,258	23,404	0	0	0	0
Department of the Navy	98,403	1,088	26,785	70,530	0	0	0	0
Department of the Air Force	315,905	14,450	42,375	259,080	0	0	0	0
Defense Agencies, total	314,197	50,989	165,952	97,256	315	0	115	200
Ballistic Missile Defense Organization	98,937	20,041	59,667	19,229	0	0	0	0
Defense Advanced Research Projects Agency ¹	89,089	4,733	61,308	23,048	0	0	0	0
Defense Information Systems Agency	13,207	0	828	12,379	0	0	0	0
Defense Logistics Agency	0	0	0	0	200	0	0	200
Defense Mapping Agency	1,318	0	500	818	0	0	0	0
Defense Nuclear Agency	19,978	5,332	14,186	460	0	0	0	0
Special Operations Command	3,767	3,767	0	0	0	0	0	0
Washington Headquarters Svcs ²	87,901	17,116	29,463	41,322	115	0	115	0
Operational Test & Evaluation, Director	13,370	0	150	13,220	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	4,628	0	0	4,628	0	0	0	0
Department of Energy	3,295,890	935,637	2,057,324	302,929	652,357	95,143	494,791	62,423
Dept of Health & Human Svcs, total	186,057	142,164	24,478	19,415	0	0	0	0
Centers for Disease Control & Prevention	304	0	237	67	0	0	0	0
National Institutes of Health ³	185,753	142,164	24,241	19,348	0	0	0	0
Department of the Interior, total	695	85	610	0	0	0	0	0
Minerals Management Service	615	85	530	0	0	0	0	0
National Park Service ⁴	80	0	80	0	0	0	0	0
Department of State	23	0	23	0	0	0	0	0
Department of Transportation, total	39,785	1,619	27,875	10,291	0	0	0	0
Federal Aviation Administration	23,436	1,219	11,926	10,291	0	0	0	0
Federal Highway Administration	16,349	400	15,949	0	0	0	0	0
Department of the Treasury, total	18,696	0	1,496	17,200	0	0	0	0
Bureau of Engraving & Printing	184	0	184	0	0	0	0	0
Internal Revenue Service	18,512	0	1,312	17,200	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	1,047,684	0	1,043,913	3,771	0	0	0	0
National Science Foundation	141,476	10	140,883	583	48,982	0	48,982	0
Nuclear Regulatory Commission	56,100	30,916	16,098	9,086	0	0	0	0

¹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

² Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁴ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-12. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1996

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,254,639	1,231,251	3,302,165	721,223	682,973	77,101	536,179	69,693
Department of Commerce, total	183	0	183	0	0	0	0	0
National Inst of Standards & Tech	133	0	133	0	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	50	0	50	0	0	0	0	0
Department of Defense, total	748,555	76,050	223,219	449,286	300	0	100	200
Department of the Army	63,724	9,783	32,327	21,614	0	0	0	0
Department of the Navy	90,375	3,045	18,855	68,475	0	0	0	0
Department of the Air Force	264,249	15,295	8,910	240,044	0	0	0	0
Defense Agencies, total	310,370	47,927	162,927	99,516	300	0	100	200
Ballistic Missile Defense Organization	94,976	18,768	57,369	18,839	0	0	0	0
Defense Advanced Research Projects Agency ¹	87,460	4,763	56,593	26,104	0	0	0	0
Defense Information Systems Agency	5,445	0	289	5,156	0	0	0	0
Defense Logistics Agency	0	0	0	0	200	0	0	200
Defense Mapping Agency	1,593	0	250	1,343	0	0	0	0
Defense Nuclear Agency	14,961	3,439	11,118	404	0	0	0	0
Special Operations Command	2,265	2,265	0	0	0	0	0	0
Washington Headquarters Svcs ²	103,670	18,692	37,308	47,670	100	0	100	0
Operational Test & Evaluation, Director	13,560	0	200	13,360	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	6,277	0	0	6,277	0	0	0	0
Department of Energy	3,130,904	905,159	2,001,756	223,989	675,244	77,101	528,650	69,493
Dept of Health & Human Svcs, total	263,411	223,966	18,471	20,974	0	0	0	0
Centers for Disease Control & Prevention	304	0	237	67	0	0	0	0
National Institutes of Health ³	263,107	223,966	18,234	20,907	0	0	0	0
Department of the Interior, total	370	20	350	0	0	0	0	0
Minerals Management Service	370	20	350	0	0	0	0	0
Department of Justice, total	355	355	0	0	0	0	0	0
Drug Enforcement Administration	355	355	0	0	0	0	0	0
Department of State	41	0	41	0	0	0	0	0
Department of Transportation, total	17,804	2,422	8,295	7,087	0	0	0	0
Federal Aviation Administration	16,280	898	8,295	7,087	0	0	0	0
Federal Highway Administration	1,524	1,524	0	0	0	0	0	0
Department of the Treasury, total	14,616	0	116	14,500	0	0	0	0
Bureau of Engraving & Printing	116	0	116	0	0	0	0	0
Internal Revenue Service	14,500	0	0	14,500	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	907,081	0	903,310	3,771	0	0	0	0
National Science Foundation	136,188	8	135,621	559	7,429	0	7,429	0
Nuclear Regulatory Commission	35,131	23,271	10,803	1,057	0	0	0	0

¹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

² Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-13. Preliminary Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1997

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,214,163	1,339,507	3,230,552	644,104	783,565	83,305	642,065	58,195
Department of Commerce, total	188	0	188	0	0	0	0	0
National Inst of Standards & Tech	138	0	138	0	0	0	0	0
Nat'l Oceanic & Atmospheric Admin	50	0	50	0	0	0	0	0
Department of Defense, total	720,583	154,677	202,996	362,910	300	0	100	200
Department of the Army	34,217	3,313	15,402	15,502	0	0	0	0
Department of the Navy	86,983	3,342	18,489	65,152	0	0	0	0
Department of the Air Force	231,721	73,031	8,331	150,359	0	0	0	0
Defense Agencies, total	346,863	74,991	160,774	111,098	300	0	100	200
Ballistic Missile Defense Organization	78,575	12,287	47,670	18,618	0	0	0	0
Defense Advanced Research Projects Agency ¹	80,285	4,674	54,672	20,939	0	0	0	0
Defense Information Systems Agency	4,972	0	0	4,972	0	0	0	0
Defense Logistics Agency	0	0	0	0	200	0	0	200
Defense Mapping Agency	750	0	0	750	0	0	0	0
Defense Nuclear Agency	13,713	3,167	10,286	260	0	0	0	0
Special Operations Command	1,853	1,853	0	0	0	0	0	0
Washington Headquarters Svcs ²	166,715	53,010	48,146	65,559	100	0	100	0
Operational Test & Evaluation, Director	13,624	0	0	13,624	0	0	0	0
Test & Evaluation, Deputy Under Secretary of Defense	7,175	0	0	7,175	0	0	0	0
Department of Energy	3,200,536	932,715	2,035,067	232,754	773,005	83,305	631,705	57,995
Dept of Health & Human Svcs, total	269,480	226,976	21,316	21,188	0	0	0	0
Centers for Disease Control & Prevention	304	0	237	67	0	0	0	0
National Institutes of Health ³	269,176	226,976	21,079	21,121	0	0	0	0
Department of the Interior, total	370	20	350	0	0	0	0	0
Minerals Management Service	370	20	350	0	0	0	0	0
Department of Justice, total	400	400	0	0	0	0	0	0
Drug Enforcement Administration	400	400	0	0	0	0	0	0
Department of State	41	0	41	0	0	0	0	0
Department of Transportation, total	17,117	1,459	8,583	7,075	0	0	0	0
Federal Aviation Administration	16,411	903	8,433	7,075	0	0	0	0
Federal Highway Administration	706	556	150	0	0	0	0	0
Department of the Treasury, total	14,549	0	49	14,500	0	0	0	0
Bureau of Engraving & Printing	49	0	49	0	0	0	0	0
Internal Revenue Service	14,500	0	0	14,500	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	807,665	0	803,894	3,771	0	0	0	0
National Science Foundation	145,909	10	145,402	497	10,260	0	10,260	0
Nuclear Regulatory Commission	37,325	23,250	12,666	1,409	0	0	0	0

¹ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

² Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

³ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	5,609,641	129	823,106	3,295,890	186,057	1,047,684	141,476	115,299
FFRDCs administered by industrial firms	1,203,899	0	93,468	935,637	142,164	0	10	32,620
Energy Technology Engineering Center	11,783	0	48	11,526	0	0	0	209
Idaho National Engineering Lab	77,745	0	1,578	63,753	0	0	0	12,414
NCI Frederick Cancer Rsch & Dvlpmnt Ctr	141,707	0	72	0	141,635	0	0	0
Oak Ridge National Laboratory	288,332	0	9,086	267,663	529	0	10	11,044
Sandia National Laboratories	654,472	0	82,659	562,860	0	0	0	8,953
Savannah River Technology Center	29,860	0	25	29,835	0	0	0	0
FFRDCs administered by universities & colleges ¹	3,574,349	129	261,520	2,057,324	24,478	1,043,913	140,883	46,102
Ames Laboratory	29,815	0	30	25,930	0	0	0	3,855
Argonne National Laboratory	252,879	4	1,841	246,877	0	240	0	3,917
Brookhaven National Laboratory	216,094	50	2,696	199,269	2,806	353	1,448	9,472
Ernest Orlando Lawrence Berkeley National Laboratory	170,870	75	879	156,754	12,343	703	116	0
Fermi National Accelerator Lab	170,917	0	0	170,917	0	0	0	0
Jet Propulsion Laboratory	1,056,916	0	25,778	0	0	1,031,078	60	0
Lawrence Livermore National Lab	500,622	0	32,857	461,840	3,192	1,016	2	1,715
Lincoln Laboratory	158,648	0	150,206	0	0	343	0	8,099
Los Alamos National Laboratory	540,637	0	24,781	489,485	5,537	812	1,162	18,860
National Astronomy & Ionosphere Ctr	7,669	0	0	0	0	0	7,669	0
National Center for Atmospheric Rsch	79,483	0	462	0	0	7,449	71,572	0
National Optical Astronomy Observatories ²	29,099	0	0	0	0	0	29,099	0
National Radio Astronomy Observatory	29,960	0	0	0	363	0	29,597	0
Oak Ridge Institute for Science & Ed	16,747	0	25	14,330	237	1,919	52	184
Princeton Plasma Physics Laboratory	115,284	0	0	115,178	0	0	106	0
Software Engineering Institute	21,965	0	21,965	0	0	0	0	0
Stanford Linear Accelerator Center	117,713	0	0	117,713	0	0	0	0
Thomas Jefferson National Accelerator Facility ³	59,031	0	0	59,031	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-14. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
FFRDCs administered by nonprofit institutions ⁴	831,393	0	468,118	302,929	19,415	3,771	583	36,577
Aerospace Federally Funded Research & Development Center	137,495	0	136,552	0	0	738	205	0
Arroyo Center ⁵	2,621	0	2,621	0	0	0	0	0
C3I Federally Funded Research & Development Center ⁶	192,993	0	190,330	0	0	2,549	114	0
Center for Advanced Aviation System Development ⁶	15,961	0	7,073	0	0	0	0	8,888
Center for Naval Analyses	44,143	0	44,056	0	0	0	87	0
Center for Nuclear Waste Regulatory Analyses	5,795	0	0	0	0	0	0	5,795
Inhalation Toxicology Rsch Institute	7,417	0	0	6,648	769	0	0	0
Institute for Defense Analyses Studies & Analyses FFRDC	56,215	0	56,038	0	0	0	177	0
Logistics Management Institute ⁷	2,271	0	1,871	0	0	200	0	200
National Defense Research Institute ⁵	14,326	0	2,633	0	11,558	135	0	0
National Renewable Energy Laboratory ⁸	102,278	0	0	102,278	0	0	0	0
Pacific Northwest National Laboratory	208,529	0	2,944	194,003	7,088	0	0	4,494
Project Air Force ⁵	24,149	0	24,000	0	0	149	0	0
Tax Systems Modernization Institute	17,200	0	0	0	0	0	0	17,200

¹ Includes university consortia.

² Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory and the National Solar Observatory (formerly Sacramento Peak Observatory).

³ In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

⁴ That is, other than universities and colleges.

⁵ The following portions of the RAND Corp. are FFRDCs: National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), Project Air Force, the Arroyo Center, and the Critical Technologies Institute. All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

⁶ Only the C3I Federally Funded Research & Development Center and the Center for Advanced Aviation System Development parts of the MITRE Corp. are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

⁷ Logistics Management Institute moved from Bethesda, MD, to McLean, VA, in May 1994.

⁸ In September 1991 the name was changed from Solar Energy Research Institute.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX as an FFRDC in November 1993.

The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs: the Energy Technology Engineering Center in November 1995, and the Inhalation Toxicology Research Institute in May 1996.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-15. Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1995

[Dollars in thousands]

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Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	701,654	0	315	652,357	0	0	48,982	0
FFRDCs administered by industrial firms	95,143	0	0	95,143	0	0	0	0
Energy Technology Engineering Center	681	0	0	681	0	0	0	0
Idaho National Engineering Lab	1,192	0	0	1,192	0	0	0	0
Oak Ridge National Laboratory	27,067	0	0	27,067	0	0	0	0
Sandia National Laboratories	66,013	0	0	66,013	0	0	0	0
Savannah River Technology Center	190	0	0	190	0	0	0	0
FFRDCs administered by universities & colleges ¹	543,888	0	115	494,791	0	0	48,982	0
Ames Laboratory	2,647	0	0	2,647	0	0	0	0
Argonne National Laboratory	88,581	0	0	88,581	0	0	0	0
Brookhaven National Laboratory	109,621	0	15	109,606	0	0	0	0
Ernest Orlando Lawrence Berkeley National Laboratory	54,818	0	0	54,818	0	0	0	0
Fermi National Accelerator Lab	80,226	0	0	80,226	0	0	0	0
Lawrence Livermore National Lab	38,883	0	100	38,783	0	0	0	0
Los Alamos National Laboratory	52,726	0	0	52,726	0	0	0	0
National Center for Atmospheric Rsch	7,982	0	0	0	0	0	7,982	0
National Optical Astronomy Observatories ²	41,000	0	0	0	0	0	41,000	0
Oak Ridge Institute for Science & Ed	1,854	0	0	1,854	0	0	0	0
Princeton Plasma Physics Laboratory	2,900	0	0	2,900	0	0	0	0
Stanford Linear Accelerator Center	51,105	0	0	51,105	0	0	0	0
Thomas Jefferson National Accelerator Facility ³	11,545	0	0	11,545	0	0	0	0
FFRDCs administered by nonprofit institutions ⁴	62,623	0	200	62,423	0	0	0	0
Inhalation Toxicology Rsch Institute	287	0	0	287	0	0	0	0
Institute for Defense Analyses Studies & Analyses FFRDC	200	0	200	0	0	0	0	0
National Renewable Energy Laboratory ⁵	7,133	0	0	7,133	0	0	0	0
Pacific Northwest National Laboratory	55,003	0	0	55,003	0	0	0	0

¹ Includes university consortia.

² Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory and the National Solar Observatory (formerly Sacramento Peak Observatory).

³ In May 1996 the name was changed from Continuous Electron Beam Accelerator Facility.

⁴ That is, other than universities and colleges.

⁵ In September 1991 the name was changed from Solar Energy Research Institute.

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX as an FFRDC in November 1993.

The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992. The Department of Energy removed from the Master Government List of FFRDCs: the Energy Technology Engineering Center in November 1995, and the Inhalation Toxicology Research Institute in May 1996.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997